

# Recombinant Human ERBB4 Protein, His-tagged, Alexa Fluor 488 conjugated

**Cat. No.** ERBB4-216HAF488    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | A DNA sequence encoding the human ERBB4 (NP_005226.1) (Met1-Arg649) (Alexa Fluor 488 conjugated) was expressed with a C-terminal polyhistidine tag. Human and Rhesus ERBB4 sequences are identical.             |
| <b>Species</b>          | Human                                                                                                                                                                                                           |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | Met1-Arg649 635                                                                                                                                                                                                 |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | The recombinant human ERBB4 comprises 635 amino acids and has a predicted molecular mass of 71.1 kDa. The apparent molecular mass of the protein is approximately 92 kDa in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                    |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE                                                                                                                                                                                |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 488 via amines<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm                                                                       |

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|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                               |
| <b>Storage</b>        | Store it under sterile conditions at -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Storage Buffer</b> | Lyophilized from sterile PBS, pH7.4.                                                                                                                         |
| <b>Conjugation</b>    | Alexa Fluor 488                                                                                                                                              |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ERBB4 v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian) [ Homo sapiens ]                                                                                                                                                                                                                                                                                      |
| <b>Official Symbol</b> | ERBB4                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>        | ERBB4; v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian); v erb a avian erythroblastic leukemia viral oncogene homolog like 4; receptor tyrosine-protein kinase erbB-4; proto-oncogene-like protein c-ErbB-4; tyrosine kinase-type cell surface receptor HER4; avian erythroblastic leukemia viral (v-erb-b2) oncogene homolog 4; HER4; p180erbB4; MGC138404; |
| <b>Gene ID</b>         | 2066                                                                                                                                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>     | NM_001042599                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>  | NP_001036064                                                                                                                                                                                                                                                                                                                                                                 |
| <b>MIM</b>             | 600543                                                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>      | Q15303                                                                                                                                                                                                                                                                                                                                                                       |

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